

Progress Report

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RIKEN/RBRC

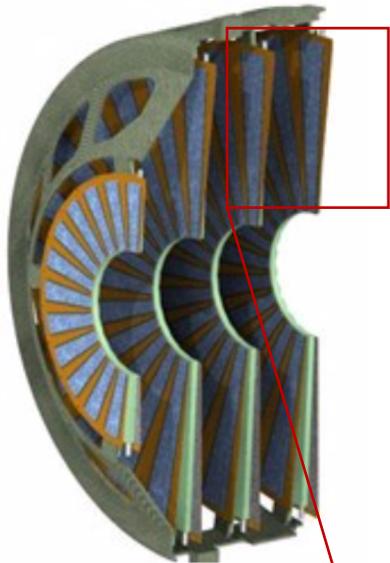
Procurement Schedules

Item	Status	Delivery to RIKEN	Final Destination
2 nd Batch Staves	Ready for delivery	Mid - End of March	BNL, Taiwan (+2Weeks)
Source Test Fixture (1)	Fabrication	End of March	BNL(+ 2Weeks)
Interception Board	Fabrication	Mid April – End of April	BNL, Taiwan(+2Weeks), NWU
Source Test Fixture (2)	Fabrication	4/21 – Mid May	NWU
10~20 Bus Extender Preproduction	Fabrication	End of May	
3 rd Batch Staves	Parts Procurements	End of May?	
Conversion Cables Preproduction for Column-B,D	Under investigation	+ 3~4 months	
3 rd Batch HDIs?	Waiting for Yamashita's Investigation		

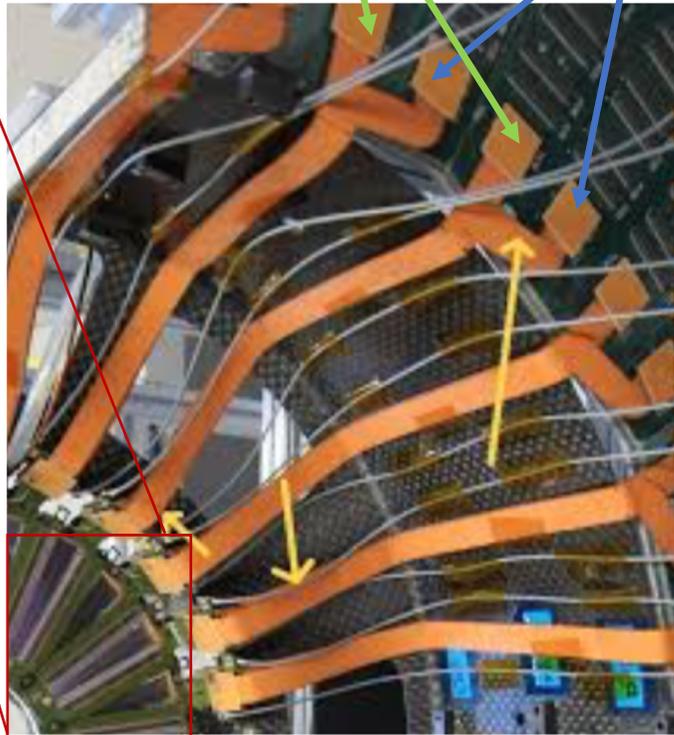
Column-B,D Conversion Cables

Silicon facing downstream

Silicon facing upstream



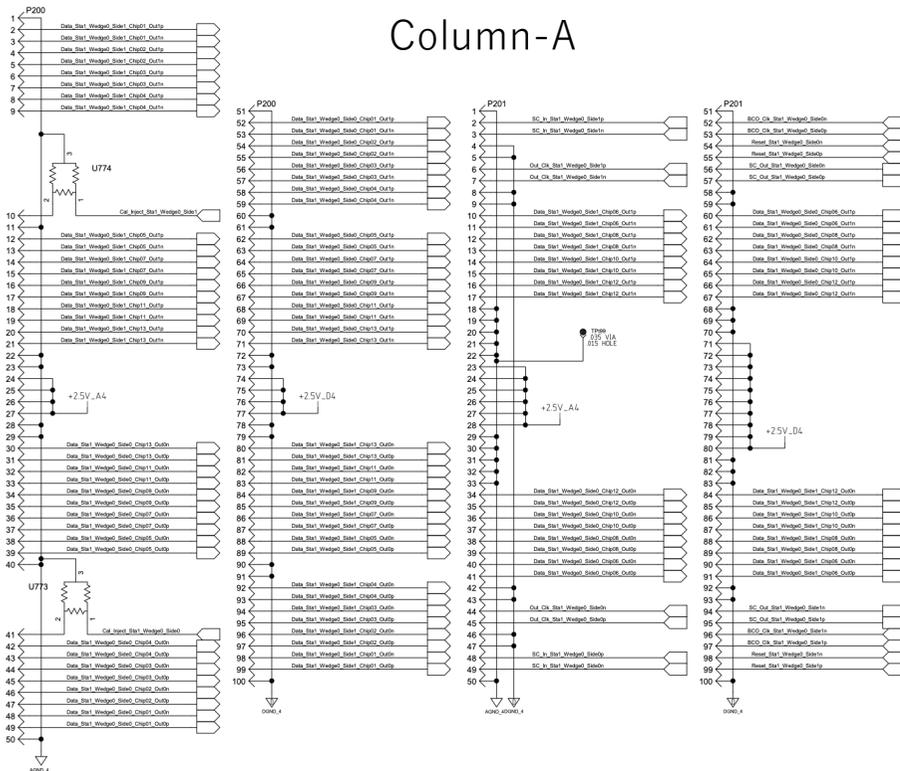
PHENIX-FVTX



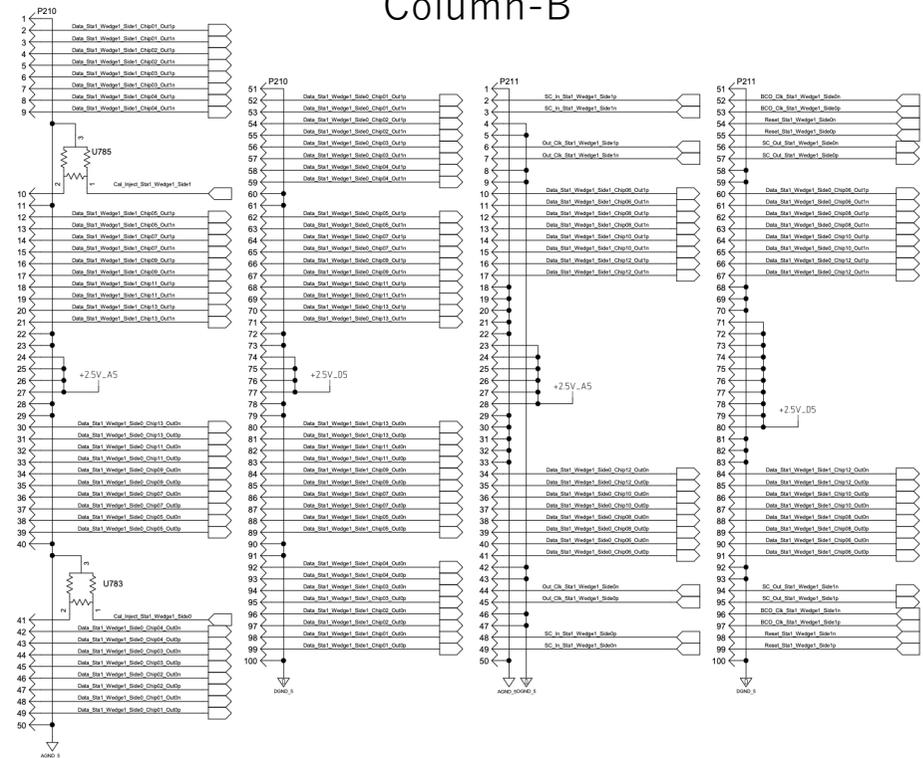
The pin assignments can be different between column-A,C and B,D. They are to be identical for INTT.

Pin Assignments at ROC

Column-A



Column-B



Looks to me identical, but need confirmation by somebody else.

Column-B,D Solution

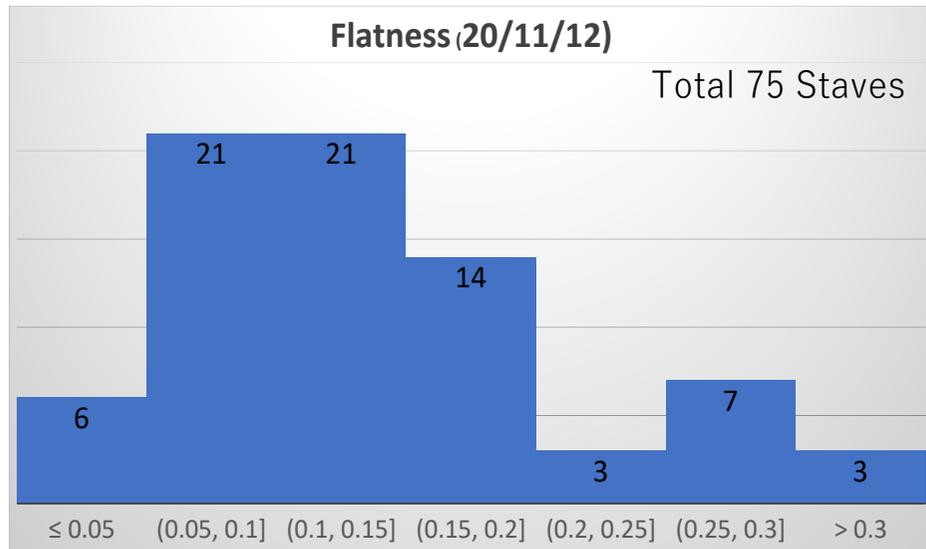
- Solution-1 : If the ROC ports of column-B,D and column-A,C are/(can be made identical by modifying the FPGA code), then no additional customization necessary.
- Solution-2 : If the ROC ports column-B,D and column-A,C cannot be identical, then we need to develop new custom conversion cable for column-B,D.

2nd Batch Staves

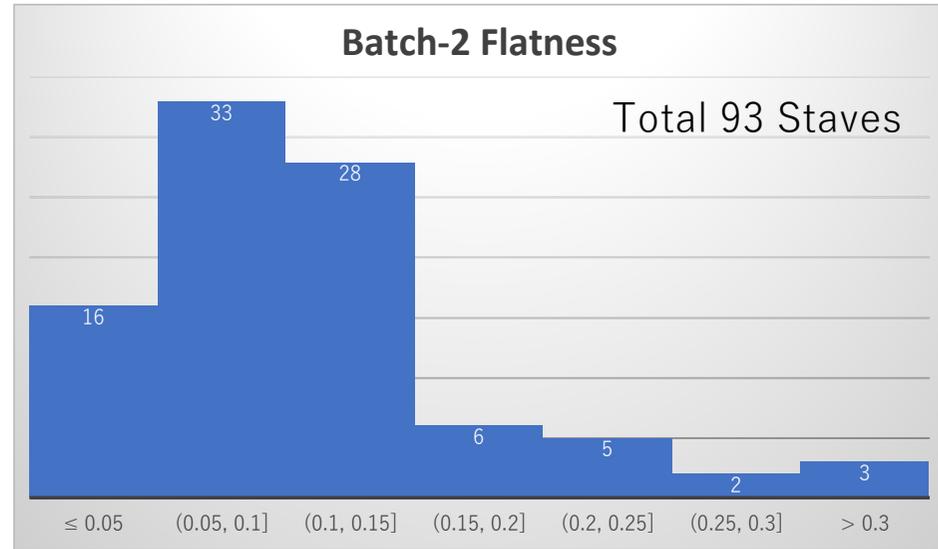


Completed assembly and leak test after the assembly. Waiting for transportation tubes for the delivery.

Flatness Comparison Batch-1 vs Batch-2



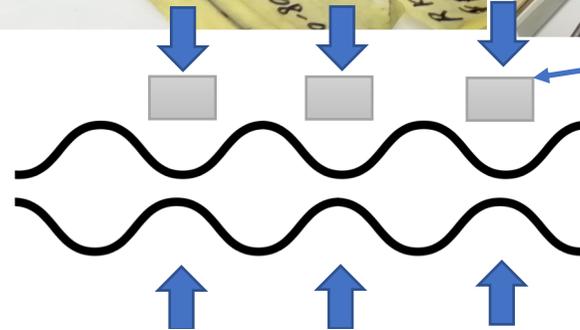
27/75 staves (36%) achieved <100um



49/93 (56%) staves achieved <100um

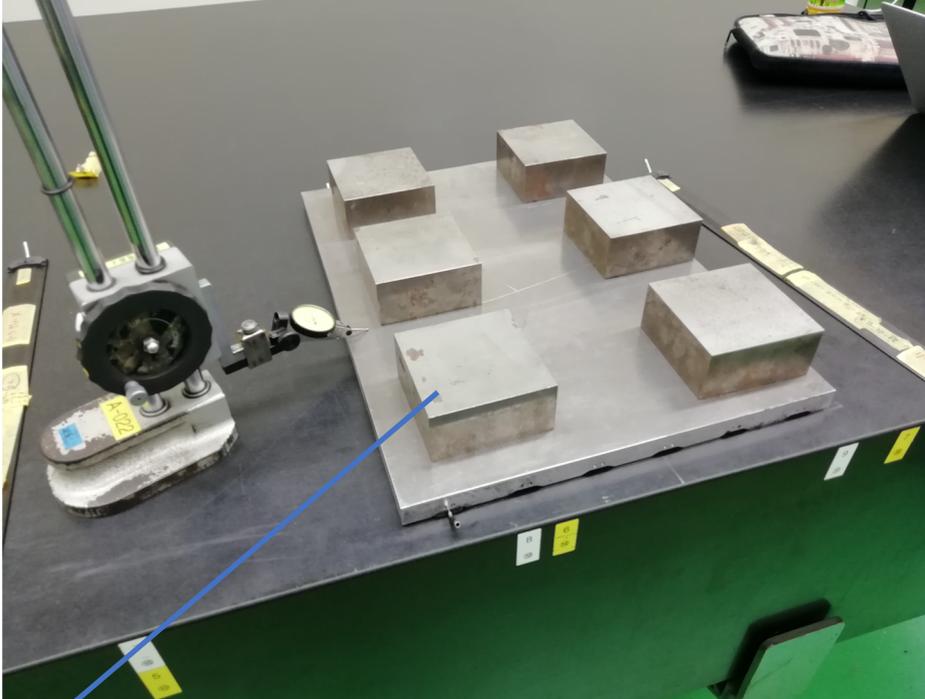
Certainly the flatness is improved in batch-2 compared to batch-1 stave assembly.

Glue Curing Setup in the Assembly



Was introducing local waving structure in the longitudinal direction.

Glue Curing Setup in the Assembly



Avoid local force by the clamp. Forcing flatness to the CFRP flat plane.

Twist Test for Batch-2/Batch-1 Staves

- After investigation together with Asuka crews and Takashi in Asuka co., we concluded the twist test may not be sensitive to find the potential leak at the joint.
- This is because the SUS bend tube is glued to the stave itself.